Ontologischer Beweis

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$P(\varphi)$ φ is positive   (i.e. $\varphi \in P$)

At. 1 $P(\varphi) . P(\psi) \supset P(\varphi . \psi)$ •   **At 2** $P(\varphi) \overset{\times}{\vee} P(\sim\varphi)$

Df 1 $G(x) \equiv (\varphi)[P(\varphi) \supset \varphi(x)]$ (God)

Df 2 $\varphi \text{ Ess. } x \equiv (\psi)[\psi(x) \supset N(y)[\varphi(y) \supset \psi(y)]]$ (Essence of x *)

$p \supset_N q = N(p \supset q)$ Necessity

Ax 2 $P(\varphi) \supset N P(\varphi)$
 $\sim P(\varphi) \supset N \sim P(\varphi)$ } because it follows from the nature of the property

Th. $G(x) \supset G \text{ Ess. } x$

Df. $E(x) \equiv (\varphi)[\varphi \text{ Ess } x \supset N \exists x \, \varphi(x)]$ necessary Existence

Ax 3 $P(E)$

Th. $G(x) \supset N(\exists y) G(y)$

hence $(\exists x) G(x) \supset N(\exists y) G(y)$

" $M(\exists x) G(x) \supset M N(\exists y) G(y)$ M = possibility

" $\supset N(\exists y) G(y)$

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* any two essences of x are nec. equivalent

ˣ exclusive or   • and for any number of summands